

MOAB includes a tool that interfaces with the Zoltan load balancing library, in the tools/mbzoltan subdirectory of the MOAB source. Since Zoltan can also serve as an interface to the Parmetis, Jostle, and Scotch partitioning libraries, these libraries are also supported.

Once computed using Zoltan, the partition information can be written as entity sets, as tags on individual elements, or both. The advantage of writing the information on sets is two-fold; first, the storage costs for sets can be lower than for element-based variables, if the element handles have a fair degree of contiguity; and second, the sets provide an efficient mechanism for finding all elements in a given part, with no searching over elements required. The partitioned sets can be visualized in visit, using the "subset" plot, PARALLEL\_PARTITIONs variable, or "Subset" dialog in the Controls.. menu.